

# Fish Iowa! Unit

## Unit Objectives

1. Students become familiar with fishing from an history perspective
2. Be familiar with Iowa resources
3. Learn about the fishing rules and regulations
4. Safety issues related to the sport of fishing
5. Student become familiar with the characteristics of fish
6. Identify the different kind of fish for our area
7. Learn parts of the fish
8. Students learn the basic about fishing equipment
9. Learn basic fishing knots
10. Basic components of terminal tackle
11. Students learn proper techniques of casting with spin casting tackle
12. Be acquainted with concept of an aquatic ecosystem
13. Be familiar of live baits and for which fish to use the bait
14. Students learn variety of artificial lures and kind of fish to use them for
15. Procedure for landing a fish, setting hook, playing fish, and retrieving
16. Learn procedure for catching and releasing fish
17. Students learn methods of keeping fish fresh in the field
18. Students learn procedures for cleaning and filleting fish
19. Learn the methods for preparing fish to eat.

## Teachers Objective

1. Students understand the history and resources out there for their use
2. Students becoming successful angler
3. Understand fishing regulations
4. General characteristics
5. How to use bait and lures to be successful
6. Explain the aquatic ecosystem how is related to fish populations and angling
7. Proper catch and release
8. How DNR is involved with fish. Resources from DNR that is available.
9. How *Fish Iowa!* can also be network for material to use.
10. Work sheets, guided practice, students involved in class discussions.
11. Post test on each unit

## Day 1 and day 2 (Unit 1)

1. Students become familiar with fishing from an history perspective
  - A. Subsistence fishing, commercial fishing, recreational fishing
  - B. Iowa fishery's (DNR) involvement
  - C. Mississippi, Missouri Rivers, ponds, constructed ponds, wetlands, streams, Etc.
  - D. Management from DNR, fishery problems, habitat protection,
  - E. Regulations rules – safety regulations
  - F. Identify the different kind of fish
  - G. Know the parts of the fish

## Reference

Web page [www.iowa.dnr.gov](http://www.iowa.dnr.gov),  
Iowa fishing regulations,  
*Fish Iowa!* Teaching Module

## Material Needed

Posters of fish, flash card of fish, copy of rules and regulation on fishing.

## Activities

Ask question about what they know about fishing. Games with showing fish parts and the different kind of fish. Watch video from DNR.

### Day 3 and day 4 (unit 2)

1. Fish senses and characteristics
  - A. Students be familiar with general characteristics of fish
  - B. Become acquainted with the senses of fish
  - C. Identify fish species common to their region

## Reference

*Fish Iowa!* Unit 2, *Fish Iowa!* ID Guide

## Activities

Asking questions on material for review

Fish identify posters – Fish anatomy poster

### Day 5 and day 6 (unit 3)

1. Basic Spin casting Equipment and Techniques
  - A. Students are familiar with terminology with spin casting tackle.
  - B. Learn the functions various part of a spin casting reel and rod.
  - C. Be familiar with basic components and terminal tackle.
  - D. Learn basic procedure for terminal knots.
  - E. Learn procedures for casting.

## Reference

*Fish Iowa!* Unit 3, Internet resources on knots,

## Activities

Guided practice with demo on casting (outside students can practice)

Show casting rod and break down and repairs

Demo on knot making (student guided practice on knots)

### Day 7 and day 8 (unit 4)

1. Explain concept of aquatic ecosystem as related to fish populations and angling. basic lures, baits for certain fish.
  - A. Students become acquainted with concept of aquatic ecosystem.
  - B. Which baits and lures can be used for different fish
  - C. Become familiar with a variety of live and prepared bait, how to present them, and the types of fish for which they are used.
  - D. Students become with familiar with different types of artificial lures, kind of fish for which they are used.

## Reference

*Fish Iowa!* Unit 4

Audio-visual (The Best Fishing – Its in your hands)

Internet to show different lures and baits and were to be able to acquire lures and baits

## **Activities**

Show different lures and baits

Discuss the pro and cons of different baits and lures

## **Day 9 and day 10 (unit 5)**

1. Explaining the procedures for landing and caring for the catch
  - A. Landing the fish and setting the hook, playing the fish and retrieving the fish from the water.
  - B. Proper procedure for catching and releasing fish
  - C. Methods of keeping fish fresh in the field
  - D. Procedures for cleaning and filleting fish
  - E. Student learn some methods of preparing fish to eat

## **Reference**

Iowa Lake Fishing Guide: Fishing Regulations

Internet for cooking methods

*Fish Iowa!* Unit 5

Audio –visual

## **Activities**

Guided practice demo of cleaning and cooking